

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs)  
**Catalog Number:** E7140G  
**Packaging Lot Number:** 10075734  
**Expiration Date:** 02/2022  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7140G v1.0

NEBNext <sup>®</sup> Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7165GVIAL	NEBNext <sup>®</sup> EM-seq <sup>™</sup> Adaptor	10068751	Pass
E7146GVIAL	EM-seq <sup>™</sup> Index Primer 6	10068750	Pass
E7145GVIAL	EM-seq <sup>™</sup> Index Primer 5	10068749	Pass
E7144GVIAL	EM-seq <sup>™</sup> Index Primer 4	10068748	Pass
E7143GVIAL	EM-seq <sup>™</sup> Index Primer 3	10068747	Pass
E7142GVIAL	EM-seq <sup>™</sup> Index Primer 2	10068746	Pass
E7141GVIAL	EM-seq <sup>™</sup> Index Primer 1	10068745	Pass

Assay Name/Specification	Lot # 10075734
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs) and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Library Construction)</b> Each set of reagents is functionally validated and compared to the previous lot through construction of libraries made from genomic DNA and DNA controls (CpG methylated pUC19 and unmethylated Lambda), that are required for assessment of 5mC and 5hmC. The kit's minimum and maximum DNA input requirements are used to make libraries that are sequenced on the same Illumina<sup>®</sup> flow cell. Library assessment is based on metrics including library yields, GC bias, insert size, and the percent 5mC/5hmC detected for CpG, CHG, CHH contexts within the genomic DNA and internal controls.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.

*Christine Sumner*

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Christine Sumner  
Production Scientist  
20 May 2020

*Josh Hersey*

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Josh Hersey  
Packaging Quality Control Inspector  
20 May 2020